#13C
SB
6/11/03

b.) Amendments to the Claims

C1

1. (Currently Amended) A polypeptide having an activity to transfer fucose to an N-acetylglucosamine residue in an N-acetyllactosamine (Galβ1-4GlcNAc) structure existing in a nonreducing terminus of a sugar chain via an α1,3-linkage, but not having an activity to transfer fucose to an N-acetylglucosamine residue in an α 2,3-sialyl –acetyllactosamine (NeuAc α 2-3Gal β 1-4GlcNAc) structure existing in a nonreducing terminus of a sugar chain via an α 1,3-linkage, and which is derived from mouse or human cells.

2. (Currently Amended) A polypeptide selected from the following (a) and, (b) ~~and (c)~~:

(a) a polypeptide comprising the amino acid sequence represented by SEQ ID NO:1 or 2,

(b) a polypeptide comprising the amino acid sequence of residues 56 to 359 represented by SEQ ID NO:1 or 2

~~(c) a polypeptide comprising the amino acid sequence wherein one or more amino acids are deleted, substituted, or added in the amino acid sequence of the polypeptide of (a) or (b), having an activity to transfer fucose to an N-acetylglucosamine residue in an N-acetyllactosamine (Gal β 1-4GlcNAc) structure existing in a nonreducing terminus a sugar chain via an α1,3-linkage, but not having an activity to transfer fucose to the α 2,3-sialyl N-acetyllactosamine(NeuAc α 2-3Gal β 1-4GlcNAc) structure existing in a nonreducing terminus of a sugar chain via an α 1,3-linkage.~~